Docket No.: 67161-147 **PATENT** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Hideto HIDAKA, et al.

Serial No.: Continuation of Appl. Serial No.

10/163,468

Group Art Unit:

Filed: April 2, 2004

Examiner:

For:

SEMICONDUCTOR MEMORY DEVICE

## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents Washington, DC 20231

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached form PTO-1449. It is respectfully requested that the references be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The references were cited by or submitted to the U.S. Patent and Trademark Office in parent application Serial No. 10/163,468, filed June 7, 2002, which is relied upon for an earlier filing date under 35 USC 120. Thus, copies of these references are not attached. 37 CFR 1.98(d).

## Continuation of Appl. No. 10/163,468

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

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Date: April 2, 2004

| INFORMATION DISCLOSURE<br>CITATION IN AN<br>APPLICATION   |  |   |  |                              |                             | 67161-147 Contin                                   |                                  | ERIAL NO<br>ontinuat<br>0/163,468 | nuation of Appl. No.  |             |  |
|---|--|---|--|------------------------------|-----------------------------|--|----------------------------------|-----------------------------------|---|-------------|--|
| ·   |  |   |  |                              |                             | APPLICANT Hideto HIDAKA, et al.                    |                                  |                                   |   |             |  |
| (PTO-1449)  |  |   |  |                              |                             | FILING DATE GROUP April 02, 2004                   |                                  |                                   |   |             |  |
|   |  |   |  | U.S. PATE                    | NT DOCUM                    | ENTS   |                                  |                                   |   | · <u></u>   |  |
| EXAMINER'S<br>INITIALS  | CITE<br>NO.                                      | Num   | Document Number ber-Kind Code2 (# known) | Publication Da<br>MM-DD-YYYY |                             | Name of Patentee or Applicant of Cited<br>Document |                                  |                                   | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |             |  |
|   | _  | us  | 4,679,172                                | 7/7/87                       |                             | Kirsch et a.                                       | sch et a.                        |                                   |   | <u> </u>    |  |
|   |  | US  | 5,444,659                                | 8/22/95                      |                             | Yokokura   |                                  |                                   |   |             |  |
|   |  | US  | 5,299,154                                | 3/29/94                      |                             | Oowaki et al.                                      |                                  |                                   |   |             |  |
|   |  | US  | 5,446,697                                | 8/29/95                      |                             | Yoo et al.   |                                  |                                   | ·   |             |  |
|   |  | US  | 5,687,123                                | 11/11/97                     |                             | Hidaka et al.                                      |                                  |                                   |   |             |  |
|   |  | US  | 5,943,273                                | 8/24/99                      |                             | Hidaka et al.                                      |                                  |                                   |   |             |  |
|   |  | US  | 4,751,679                                | 6/18                         |                             | Dehganpour   |                                  |                                   |   |             |  |
|   |  | US  | 4,100,437                                | 07/11/1978                   |                             | Hoff, Jr.  |                                  |                                   |   |             |  |
|   |  | US  |  |                              |                             |  |                                  |                                   |   |             |  |
|   |  | US  | <del></del>                              |                              |                             |  |                                  |                                   |   |             |  |
|   | ļ  | US  |  |                              |                             |  |                                  |                                   |   |             |  |
|   | ļ  | US  |  |                              |                             |  |                                  |                                   |   |             |  |
|   | <u> </u>   | US  |  |                              | _                           |  | -                                |                                   |   |             |  |
| <del></del>   | 1  | 1 !   |  | FOREIGN P.                   | ATENT DOCUME                | NTS  |                                  |                                   |   |             |  |
| EXAMINER'S  | 1  | Foreign Patent Document Publication Da                              |  |                              | 1                           |  |                                  |                                   |   |             |  |
| INITIALS  | CITE<br>NO.                                      | Country Codes -Number 4 -Kind<br>Codes (if known)                   |  | MM-DD-YYYY                   | Applicant of Cited Document |  | Where Relevant<br>Figures Appear |                                   | Yes No  |             |  |
|   |  |   | JP 62-208496                             | 9/12/87                      |                             |  |                                  |                                   | res   | NO NO       |  |
|   |  | JP 5-54265<br>JP 5-89677  |  | 8/12/93                      | <del></del>                 |  |                                  |                                   |   | <del></del> |  |
|   | <del>                                     </del> |   |  | 4/9/93                       | <b>-</b>                    |  |                                  |                                   |   |             |  |
|   | <del> </del>                                     | <u> </u>  | JP 4-70718                               | 11/11/92                     | <u> </u>                    |  |                                  |                                   |   |             |  |
|   |  |   | 03/26/1985                               | +                            |                             |  |                                  | <u> </u>                          |   |             |  |
|   | l.   | L   |  | RT (Including Auti           | nor, Title, Date, P         | ertinent Pages, Et                                 | tc.)                             |                                   |   |             |  |
| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)  EXAMINER'S INITIALS CITE NO. Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, maging journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |   |  |                              |                             |  |                                  |                                   | 3.  |             |  |
|   |  | ISSC 89/Digest of Technical Papers, February 17, 1989, pp. 248-249. |  |                              |                             |  |                                  |                                   |   |             |  |
|   |  |   |  |                              |                             |  |                                  |                                   |   |             |  |
|   |  | <u> </u>  |  |                              |                             |  |                                  |                                   |   |             |  |
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| EXAMINER  |  |   |  |                              |                             | I  | DATE CONS                        | IDERED                            |   |             |  |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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| · INFC                 | CIT          | ATION DISCLO<br>FATION IN AN<br>PPLICATION        | ATTY. DOCKET NO. 67161-147         | Di                                       | SERIAL NO. Divisional of Appl. No. 10/163,468 |  |       |           |  |
|                        |              |   | APPLICANT<br>Hideto HIDAKA, et al. |  |   |  |       |           |  |
|                        |              | (PTO-1449)  | FILING DATE GROUP April 02, 2004   |  |   |  |       |           |  |
|                        |              |   | U.S. PATEN                         | NT DOCUMENTS                             |   |  |       |           |  |
| EVALUEDIO.             | <sub>1</sub> |   |                                    |  | <del></del>                                   | <del></del>  |       |           |  |
| EXAMINER'S<br>INITIALS | CITE<br>NO.  | Document Number Number-Kind Code2 (# known)       | Publication Date MM-DD-YYYY        |  | cant of Cited                                 | ed Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |       |           |  |
|                        |              | US  |                                    |  |   |  |       |           |  |
|                        |              | US  |                                    |  |   |  |       |           |  |
|                        |              | <u> </u>  | FOREIGN PA                         | TENT DOCUMENTS                           |   |  |       |           |  |
| EXAMINER'S             |              | Foreign Patent Document                           | Publication Date                   |  | Pages, Columns, Lines                         |  | Tr    | anslation |  |
| INITIALS               | CITE<br>NO.  | Country Codes -Number 4 -Kind<br>Codes (if known) | MM-DD-YYYY                         | Applicant of Cited Document              | Where Relevant<br>Figures Appear              |  |       |           |  |
|                        | ļ            |   |                                    |  |   |  | Yes   | No        |  |
|                        |              | JP 5-012866                                       | 01/22/1993                         | TOSHIBA CORP.                            | L .   |  |       | . •       |  |
|                        |              | JP 62-208496                                      | 09/12/1987                         | TOSHIBA CORP.                            |   |  |       |           |  |
|                        |              | JP 4-199870                                       | 07/21/1992                         | MITSUBISHI ELECTRIC CORP.                |   |  |       |           |  |
|                        | 1            | JP 6-191499                                       | 09/28/1985                         | TOSHIBA CORP.                            |   |  |       |           |  |
|                        |              | JP 4-276381                                       | 10/01/1992                         | FUJITSU LTD.                             |   |  |       |           |  |
|                        | <del> </del> | JP 5-021738                                       | 01/29/1993                         | TOSHIBA CORP.                            |   |  |       |           |  |
|                        |              | JP 5-198177                                       | 08/06/1993                         | MITSUBISHI ELECTRIC CORP.                |   |  |       |           |  |
|                        |              | JP 4-370963                                       | 12/24/1992                         | MITSUBISHI ELECTRIC CORP.                |   |  |       |           |  |
|                        |              | JP 2-246089                                       | 10/01/1990                         | HITACHI LTD. & HITACH<br>VLSI ENG. CORP. |   |  |       |           |  |
|                        | 1            | JP 5-225780                                       | 09/03/1993                         | FUJITSU LTD.                             |   |  |       |           |  |
| ·                      |              | JP 5-28768  | 02/05/1993                         | MITSUBISHI ELECTRIC CORP.                |   |  |       |           |  |
|                        |              | JP 3-253000                                       | 11/12/1991                         | MITSUBISHI ELECTRIC CORP.                |   |  |       |           |  |
|                        |              | JP 1-267892                                       | 10/25/1989                         | MITSUBISHI ELECTRIC CORP.                |   |  |       |           |  |
|                        |              | JP 6-21377  | 01/28/1994                         | MITSUBISHI ELECTRIC<br>CORP.             |   |  | -     |           |  |
|                        |              | JP 6-333386                                       | 12/02/1994                         | FUJITSU LTD.                             |   |  |       |           |  |
| EXAMINER'S<br>INITIALS | CITE,<br>NO. |   |                                    |  |   |  |       |           |  |
|                        |              |   |                                    |  |   |  |       |           |  |
|                        |              |   |                                    |  |   |  |       |           |  |
|                        |              | EXAMINER  | DATE CONSIDERED                    |  |   |  |       |           |  |

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